

AMENDMENTS

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) An image processing apparatus adapted for processing image data corresponding to a plurality of pages of a document, comprising:
 - an input device for acquiring image data;
 - an image data processor for applying a processing to the image data acquired by the input device;
 - a compressor for compressing the image data processed by the image data processor;
 - a storage medium for storing the image data compressed by the compressor; and
 - a controller for controlling the image data processor, the storage medium and the compressor so that, after compressed image data corresponding to a page of the document is stored in the storage medium, the processing applied by the image data processor and a compression rate applied by the compressor to the processed image data are changed based on the number of the pages of the document so that image data corresponding to all pages of the document can be stored in the storage medium when it is determined that the storage medium cannot store further image data corresponding to a given page of the document.
2. (Previously Presented) An image processing apparatus according to claim 1, wherein the processing performed by the image data processor comprises a density conversion processing.
3. (Previously Presented) An image processing apparatus according to claim 2, wherein the controller controls the image data processor such that a high density area or a low density area of the image data increases.
4. (Currently Amended) An image processing apparatus ~~according to claim 1,~~ adapted for processing image data corresponding to a plurality of pages of a document, comprising:
 - an input device for acquiring image data;

an image data processor for applying a processing to the image data acquired by the input device;

a compressor for compressing the image data processed by the image data processor;
a storage medium for storing the image data compressed by the compressor; and
a controller for controlling the image data processor, the storage medium and the compressor so that, after compressed image data corresponding to a page of the document is stored in the storage medium, the processing applied by the image data processor and a compression rate applied by the compressor to the processed image data are changed so that image data corresponding to all pages of the document can be stored in the storage medium when it is determined that the storage medium cannot store further image data corresponding to a given page of the document,

wherein the controller calculates a compression rate required for storing an entire image data of the document in the storage medium based on an average compression rate of image data of the pages stored in the storage medium when it is determined that the storage medium cannot store said further image data.

5. (Previously Presented) An image processing apparatus according to claim 4, wherein the controller calculates the compression rate required for storing the entire image data in the storage medium based on a volume of image data of the document already stored in the storage medium and a volume of image data of the document not yet acquired by the input device.

6. (Previously Presented) An image processing apparatus according to claim 4, wherein the image data processor conducts the changed processing in accordance with the compression rate calculated by the controller.

7. (Previously Presented) An image processing apparatus according to claim 1, wherein the controller erases the image data already stored in the storage medium and controls the input

device so as to acquire image data again when it is determined that the storage medium cannot store said further image data.

8. (Withdrawn) An image processing apparatus according to claim 1, further comprising an expander for expanding an image data compressed and stored in the storage medium.

9. (Withdrawn) An image processing apparatus according to claim 8, wherein the controller controls the image data processor so that the expander expands image data stored in the storage medium and the image data processor applies the changed processing to the expanded image data when said further image data acquired by the input device cannot be stored in the storage medium.

10. (Withdrawn) An image processing apparatus according to claim 9, wherein the input device acquires said further image data once unoccupied capacity is secured by the changed processing in the storage medium.

11. (Currently Amended) A method of processing image data corresponding to a plurality of pages of a document, comprising:

acquiring image data corresponding to a page of the document;

applying a data processing to the acquired image data;

compressing the image data to which the processing is applied;

storing the compressed image data in a storage medium; and

changing a processing parameter of the data processing and a compression rate of the compressing based on the number of the pages of the document so that image data corresponding to all pages of the document can be stored in the storage medium when it is determined that the storage medium cannot store further image data corresponding to a given page of the document.

12. (Previously Presented) A method according to claim 11, wherein the data processing comprises a density conversion processing for image data.

13. (Previously Presented) A method according to claim 12 , wherein the density conversion process operates so that a high density area or a low density area of the image data increases.